1/20

Parasite donor age (years)

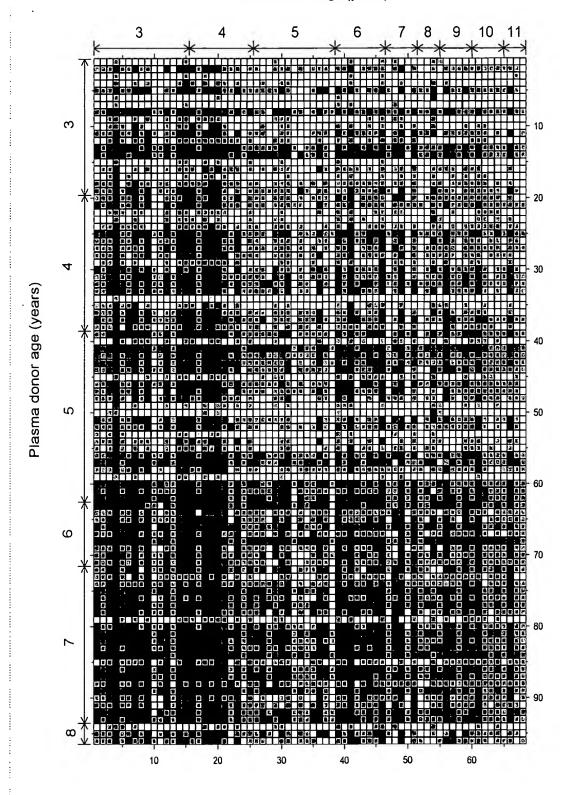


Fig. 1

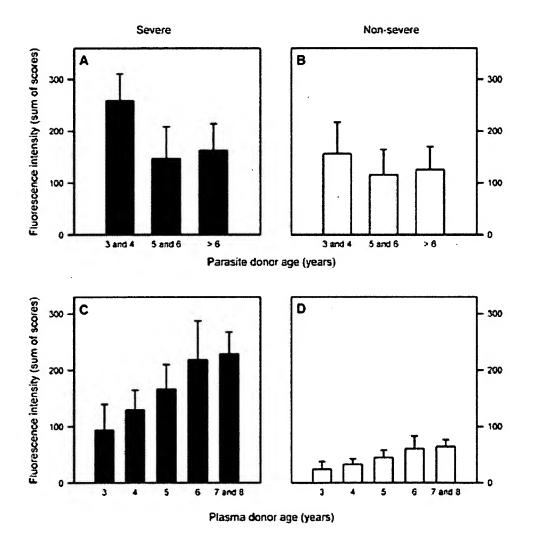


Fig. 2

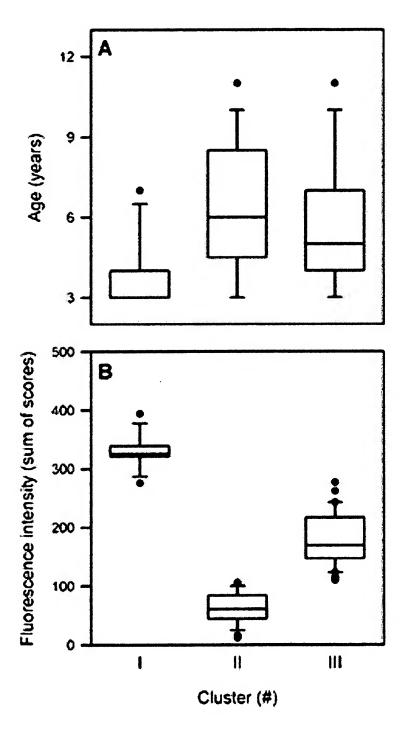


Fig. 3

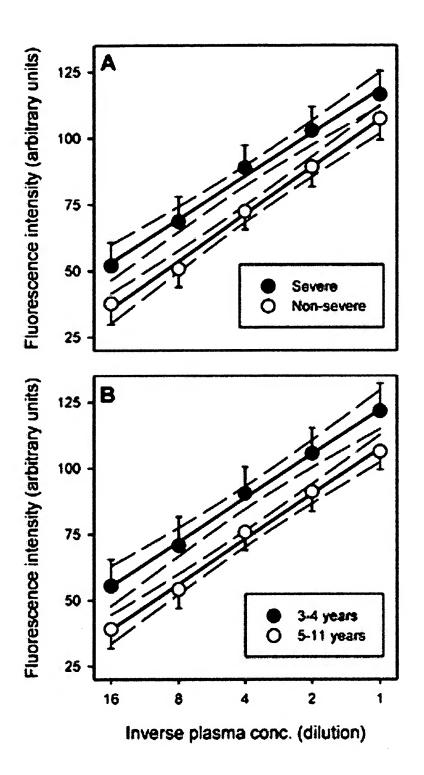


Fig. 4

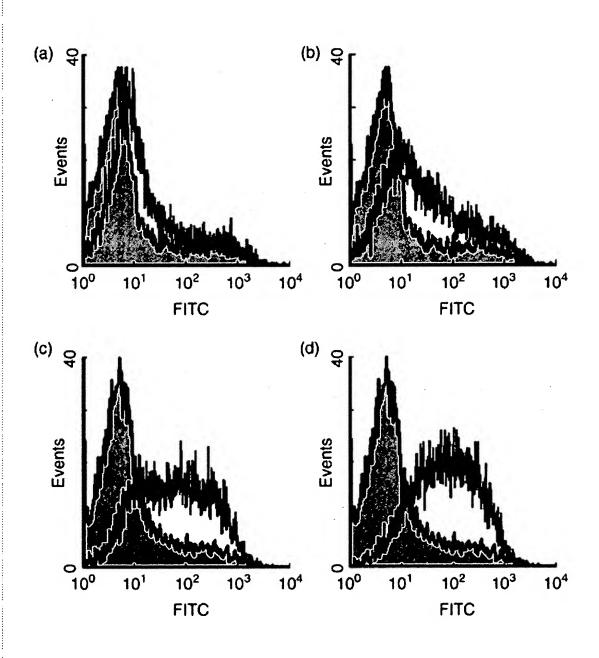


Fig. 5

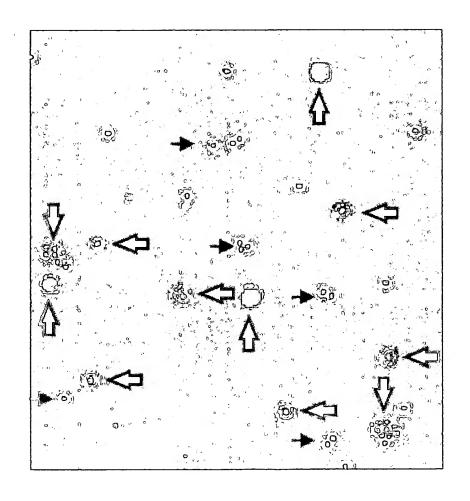


Fig. 6 BEST AVAILABLE COPY

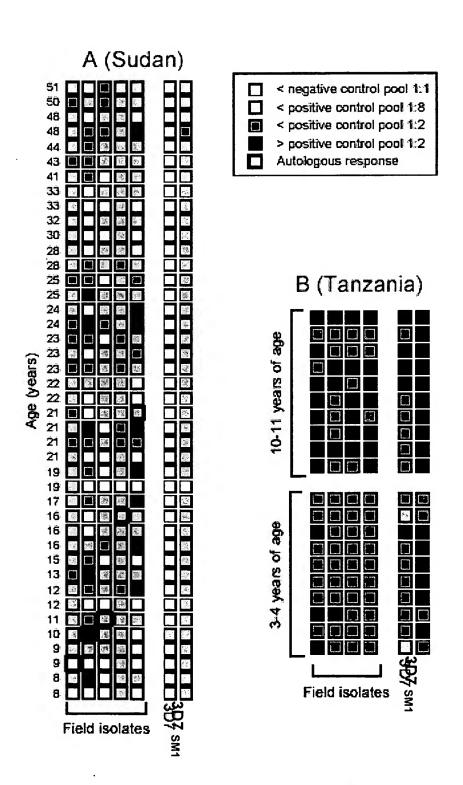


Fig. 7

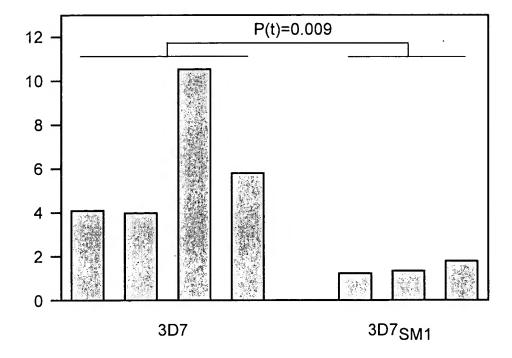
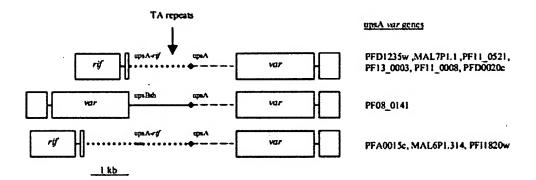
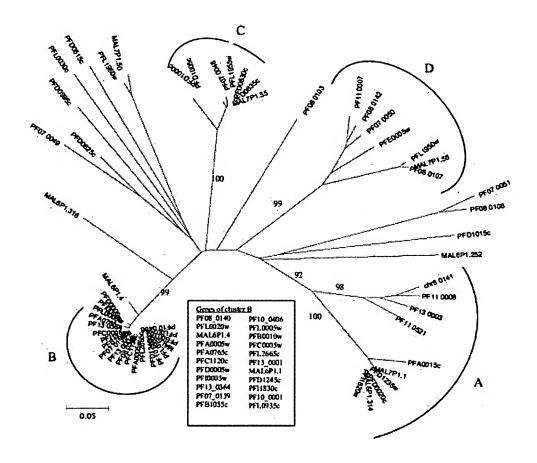
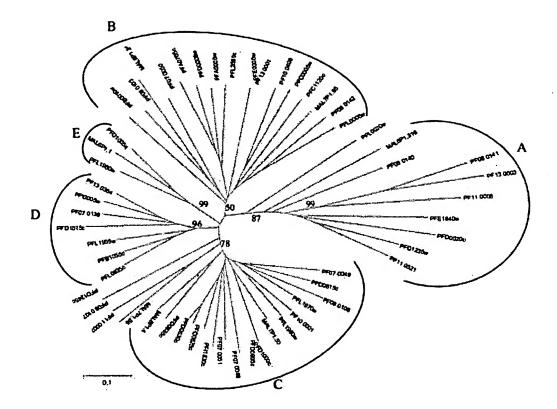


Fig. 8

	Α		Onentation (transcribed		DBL1-															٦	
	Gene	Location	towards)	5' region	CIDR1	Intron	ATS	3' region						usin struc						4	voet
	PFE1540e**	Telomeric Near telomere	Telomere Telomere	upsD upsE	A None	None Al	None D	None		CIDR1-P		CZ DBL4-F		08L44 08L64	ATS	OBLEP	DBL7-#				var1
	PF01236	Near telomere	Telomere			ã	×ٍ	<u>î</u>		00A1.5		···	5800	···		*6155*	STATE OF	ATS	•••••	•	var2
	MAL7P1.1	Telomeric	Telomere	upsA	A	A	A	A	06L1-0	CEDR 1-9	DBL2-9	CZ	08L3-B	CZ	OSL 4-7	DBL5-8	CIDR#	ATS	3	1	
	PF11_0521	Telomeric	Telomere	upsA	A	Al	A	A		CIDR 1-0		CZ	0813-8	C2	DEL4A	CIDR-1	ATS			1	
	PF13_0003	Near telomere	Telomere	upsA	A	Al	A	A	0811-0	CIOR-7	DBL2-9	CΩ	DBL3-7	DBL4.6	CEDR-P	DSL5-F	CZ	ATS	•	1	
	PF08_0141	Near telomere Near telomere	Telomere	upsA upsA	A	X X	A	A	D811-0	CIDR-7	DBL2-7	CS CS	CEDR#	DBL4-F	DBL5-4 C2	ATS				1	var group A
	PF11_0008 PFD0020:	Near telomere	Telomere Telomere	upaA	Â	x	^	Â		CIDR1-	DBL2-5	a		DBL4-7	DBL5-8	CIDR-1	ATS			1	var group / t
	PFA0015c	Near telomere	Telomere	upsA	A*	AII	A	A	DBL1-P	081.2-5	ATS										
	MAL5P1.314	Near telomere	Telomere	upsA	A*	All	A	A	D6L1-#	D8L2_4	ATS										
U	PFI1820w	Near telomere	Telomere	upsA	A.	All	A		DBL1-0 PBB 19-0	DBL2-1	ATS DBC/P			"della"							7
	PF08_0120	Near (sigmere	Certiforniere	upsbah upsBah^	Α	у	a	х	DBL1-P	CIDAL	D8L2-F	CZ CZ	DBL3-7	DBL	DBL5-1	ATS				-	
	MAL6P1.316 PFL0020w	Near telomere	Centromera	upsBsh	â	â	x	ê	0811-0		08L2-\$	CZ	DBL3-7	DBL4-3	D815-1	ATS				1	var group B/A
	MALSP1.4	Telomeric	Centromere	upsB	c	x	X	В		CIDR1-F		CZ	DBL3-1	DBL4-8	CIDALI	0815-	DBL5-8	DBL	ATS	. _	
Z	PF11_0007	Telomeno	Centromere	ups B	*****	g	ъ	ъ		50017.			ATS	•••••	•••••	•••••	•••••	••••		1	
f	PF08_0142	Telomeric	Centromere	upsB	В	В	В	D		CIDR1-F		CIDR-F	ATS	•						1	1
	PFE0005w PFA0005w	Telomeric Telomeric	Centromere	upsB upsB	B B	B B	B C	D B		CIDRIA		CIDR#	ATS							1	
	PFA0765c	Telomeric	Centromere	upsB	В	В	В	В		CIDR 1-0		CIDR-5	ATS							1	
	PFC1120c	Telomeric	Centromere	ираВ	В	В	В	В	06L1.4	CIDR 1-0		CIDR-P	ATS							1	
	PFDCCCCSw	Telomeric	Centromere	upsB	В	В	В	В	D8L1-0	CIDR 1º				AT\$							
	PF10005w	Telomeric	Centromere	upsB	D	8	В	В		CIDR1-P		CIDR-7	ATS							1	
	PF13_0364	Telomeric Telomeric	Centromere	upsB upsB	D D	B X	B B	B B	0811-9	CIDR1ª		CIDR-P	ATS DBL3-F	ATS							
	PF07_0139 PFB1055c	Telomenic	Centromere	upsb	D	x	8	8		CIDR1-		CIDR.	ATS								
	PF10_0406	Telomeric	Centromere	upsB	8	x	В	В	08L1-0	CIDR1-P	DBL2.A	CIOR-P	ATS							1	var grava P
	PFL0005w	Telomeric	Centromere	upsB	В	x	В	В		CIDR 1-4		CIDR-P	ATS			•				1	<i>var g</i> roup B
	PFB0010w	Telomeric	Centromere	upsB	В	X	В	8		CIDRIC		ATS								1	
B	PFC0005w PFL2665c	Telomeric Telomeric	Centromere	upsB upsB	B B	X X	8 8	B B		CIDR1-4		CIDR-F	ATS								
	PF13_0001	Telomeric	Centromere	upsB	В	x	В	В		CIDR1-		CIDR.	ATS								
	MALSP1.1	Telomeric	Centromere	upsB	E	В	В	В	08L1-P	CIDR1-	DBL2-8	CIDR#	ATS								•
	PFD1245c	Telomeric	Centromere	upsB	×	x	С	В		CIDR 1-P		CIDR-F	ETA								
H	PFI1830c	Telomeric	Centromere	upsB	c	x	В	В		CIDR1-4		CIDR-1	ATS								
Ł	PF10_0001 PFL0935c	Telomeric Centromeric	Telomere	upsB upsB	C D	X X	B	B B		CIDR1-		CIDR-7	ATS ATS							14	3
D	PFD0635c	Centromenc	Telomere	. messey.	••••	ĝ	…ઍુ…	…ະ້…		blat.M		"CDAT"	٠٠٠٠٠	•••••	•••••	•••••	• • • • •	••••	•••••	•	
	PFL1966w	Centromeric	Telomere	upsBsh	С	8	C	c	D8L1#	CIDR 1-4	DBL2-8	CIDR-F	ATS								
	PF08_0106	Centromeric	Telomere	upsBsh	C	В	С	x		CIDR 1.ª		CIDR#	ATS								
H	MAL7P1.50	Centromeric	Telomere	upsBsh	c	X X	c	X X		CIDR1-#		CIDR-F	ATS								
Ħ	PF08_0103 MAL7P1.55	Centromeric Centromeric	Telomera Telomera	ups8sh ups8sh	B B	x	c	ĉ		CIDR 1-4		CIDR-1	ATS								var group B/C
B	PF07_0050	Centromeric	Telomere	upsBsh	В	A	В	D	DBL1.4	CIDR 1-4	DBL2.#	CZ	DBL3-7	ATS							
H	PF01005c	Centromeric	Telomere	upsBsh	E	В	В	С		CLDR 1-0		CIDR-1	ATS								
L	PFL1950w	Centromeric	Telomere	upsB^	E	X	В	D		CIDR1-P		C2	DBL3-8	CIDE	ATS						7
	MAL6P1.252 PFD0995c	Centromeno	Telomere Telomere	upsC upsC	C	x	g	*****************		CIDR1-		C2 CIDR-1	ATS	.ggga	ATS					7	3
	MAL7P1.56	Centromeric	Telomere	upsC	c	x	В	Ď		CIDR1-0		CIDR-P	ATS								
	PF08_0107	Centromeric	Telomere	upsC	×	В	В	D		CIDR1-4		CIDR-7	ATS								
	PF07_0049	Centromeric	Telomere	upsC	С	В	С	x		CIDR 1-P		CLDR-7	ATS							1	
	PF00630c	Centromeric	Telomere	upsC	C	В	c	c		CIDR1-4		CIDR-Y	ATS								var group C
	PFD1000c PFD1015c	Centromeric Centromeric	Telomere Telomere	upsC upsC	C D	8 8	B	C X	•	CIDR1-4		CIDR-7	ATS							1	- a. g.oup o
	PFD0615c	Centromeric	Telomere	upsC	c	X	X	x		CIDR1-		CIDR.	ATS							-	
	PF07_0051	Centromeric	Telomere	upsC	c	AI	D	x	1	CIDR 1-0		CIDR-F	ATS								
	PF07_0048	Centromeric	Telomere	upsC	c	x	С	C		CIDR 1-4		CIDR.4	ATS								
	PFL1960w	Centromeric	Telomere	upsC	c	X	C	X		CIDR1-4		CIDR-F	ATS								
	PFD0625c	Centromeric	Telomere 3D7 gene with	upsC	c	X	<u>c</u>	×	COC 1.0	GUR1.A	USCZ,A	CONTRA	ATS				•••••			+4	7
	В		closest	ĺ																1	
	PREMP1	Strain	related 5" sequence	5' region	DBL1- CIDR1	Intron	ATS	3' region					Known	domain s	tructure					1	
	vari family	307 homologue: F		_	gion and coo				42											1	
		307 homologue: F			gion and coo	-			35											╛	
	AAA75397	FCR3	MAL5P1.316	upsBsh^	A	nd.	С	0		CIDR 1-4		C2		DBL4-6		AT8				1	
	AAA75396	Dd2	PF07_0050	upsB	C	nd.	В	x		CIDR 1-P		æ		DBLAS		AT8				1	
	AAA75396	FCR3	PF07_0139	upsB	E	nd.	В	X		CIDRIC		CZ		CIDR.	ATS					1	
	AAD03351	R	PFL2665c	upeB	X	nd.	nd.	nd.		CIDR1-P		æ	DBL3-7	CIDR-F	DBL4-Y	OBLS-P				1	
	AF193424	lt MC	PF08_0142	upsB	X	nd.	nd.	nd. D		CIDR1-P		CZ CZDR-7		08144	ATS					1	
	AAB60251 AAC05220	MC	PFD0005w	nd. upsB	8 B	nd. nd.	B nd.	nd.		CIDATA		CZ	0813-9		¥12					1	
	AAC47438	FCR3	PFB1055c	upas	X	nd.	В.	nd.		CIDRIG		α α		CIDR.5	ATS					1	
	AAB06961	R.	PFL0020w	upsBsh	x	nd.	nd.	nd.	081.14	CIDR1-	D8L2-F	C2	08134							1	
	PANDOOSO I																				
	AAA75399	Dd2	PFD1015c	upaC	В	nd.	C	X		CIDRI-A		CIDR.	AT\$								







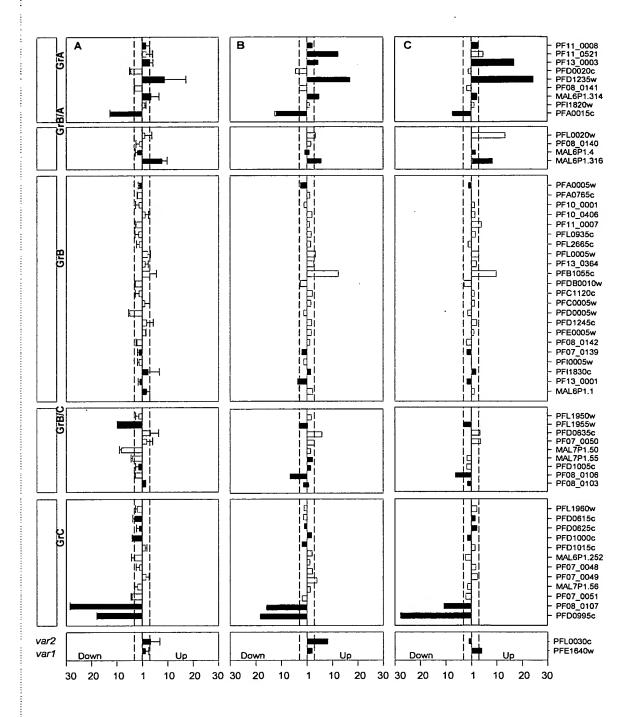


Fig. 13 BEST AVAILABLE COPY

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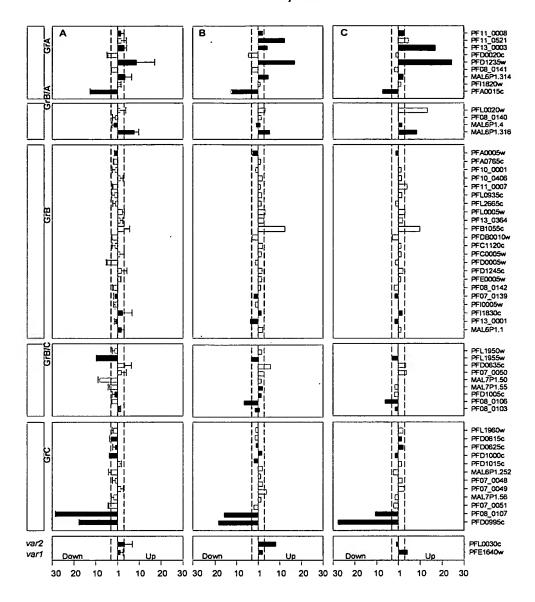


Fig. 14

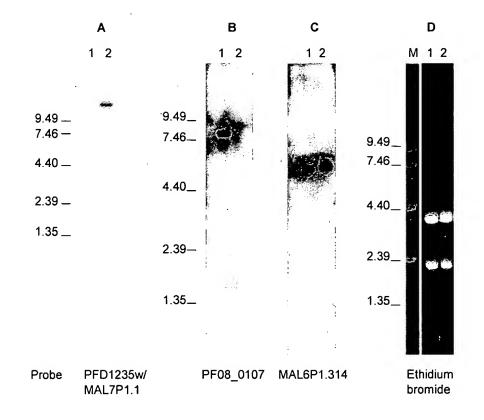


Fig. 15

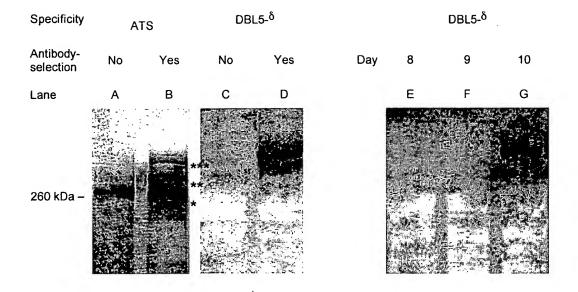
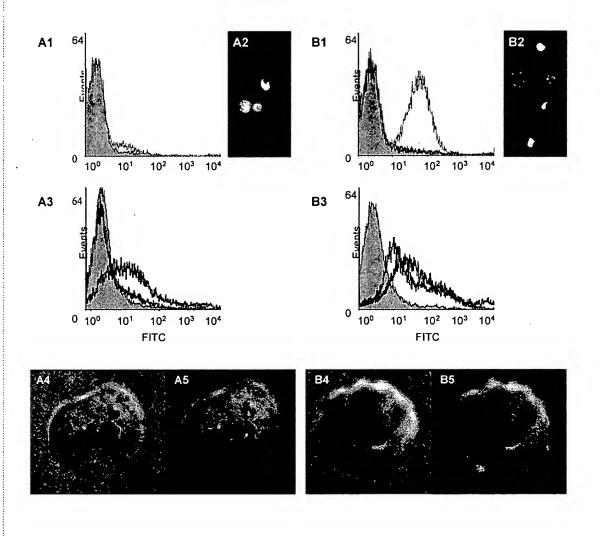


Fig. 16



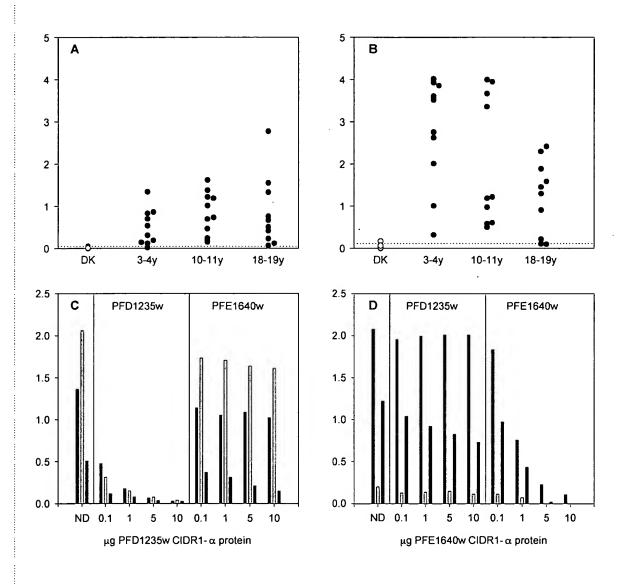
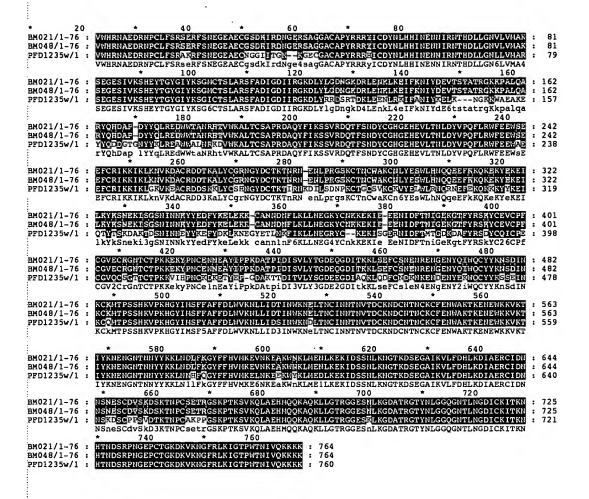
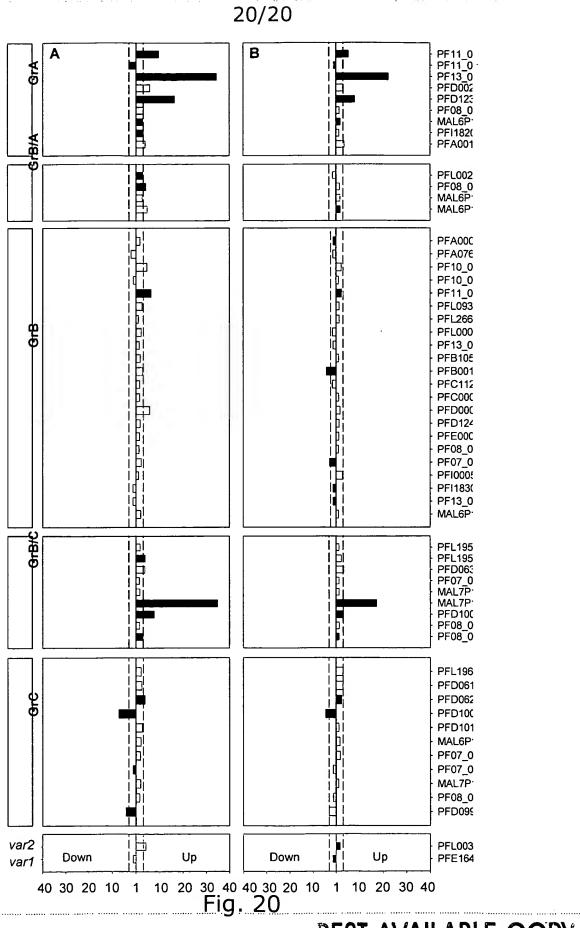


Fig. 18

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